

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136738.D
 Acq On : 27 Dec 2023 01:11
 Operator : CG\JU
 Sample : 05446-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023

Quant Time: Dec 27 04:02:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	67721	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	241949	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	106886	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	159244	20.000	ng	0.00
76) Chrysene-d12	13.963	240	143780	20.000	ng	0.00
86) Perylene-d12	15.445	264	100416	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	393243	90.603	ng	0.00
7) Phenol-d6	6.428	99	483620	85.993	ng	-0.01
23) Nitrobenzene-d5	7.345	82	298829	63.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	90425	71.833	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	558484	70.276	ng	-0.01
79) Terphenyl-d14	12.910	244	488288	47.459	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.333	178	101613	12.436	ng	99
72) Anthracene	11.380	178	21098m	2.550	ng	
75) Fluoranthene	12.527	202	150559	17.226	ng	99
78) Pyrene	12.757	202	141447	10.021	ng	99
81) Benzo(a)anthracene	13.951	228	72695	7.281	ng	97
83) Chrysene	13.986	228	65117	6.670	ng	93
87) Indeno(1,2,3-cd)pyrene	16.939	276	19614	2.705	ng	94
88) Benzo(b)fluoranthene	15.010	252	60786m	9.063	ng	
89) Benzo(k)fluoranthene	15.033	252	19708m	3.110	ng	
90) Benzo(a)pyrene	15.380	252	36239	6.401	ng	96
92) Benzo(g,h,i)perylene	17.392	276	20969	3.442	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

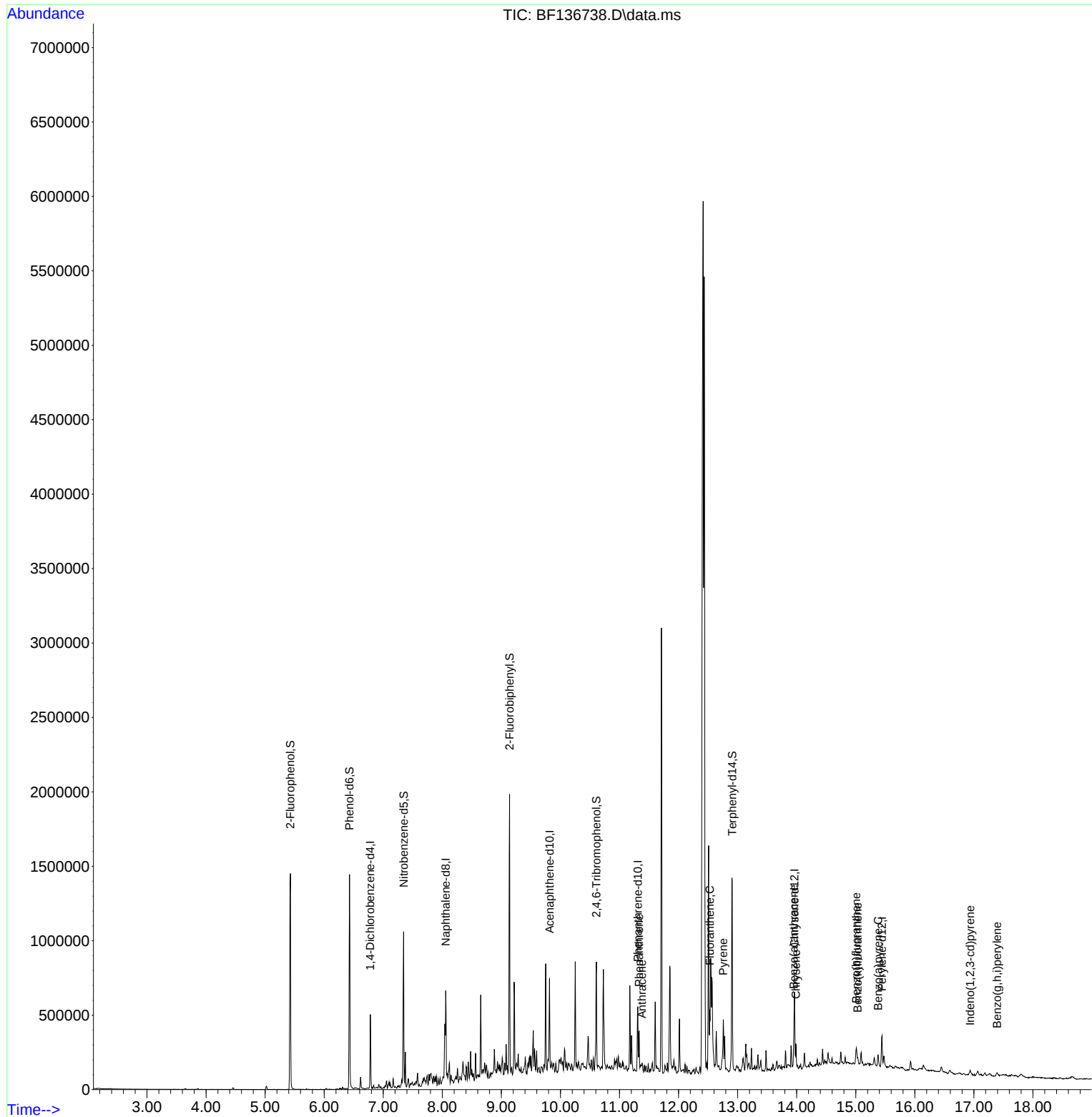
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
Data File : BF136738.D
Acq On : 27 Dec 2023 01:11
Operator : CG\JU
Sample : 05446-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

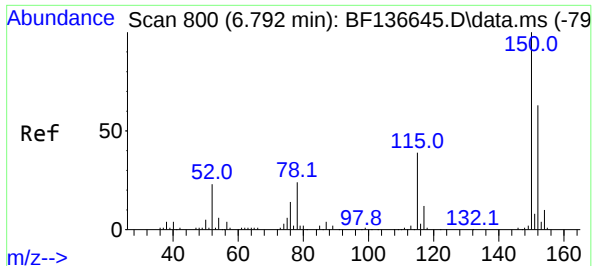
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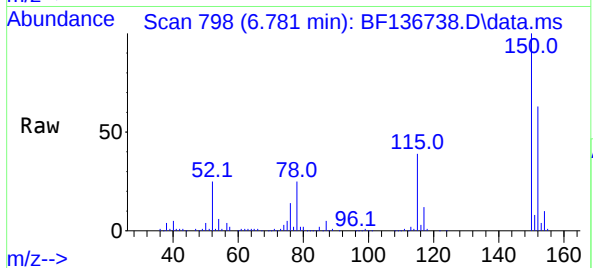
Quant Time: Dec 27 04:02:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

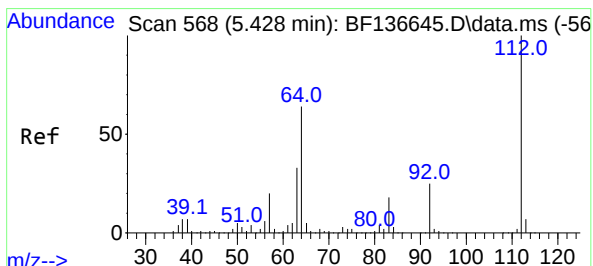
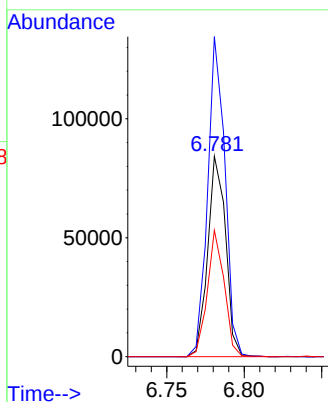
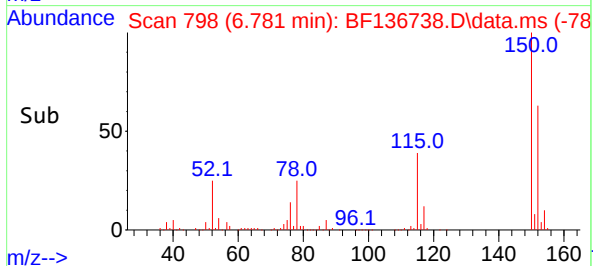
Instrument :
BNA_F
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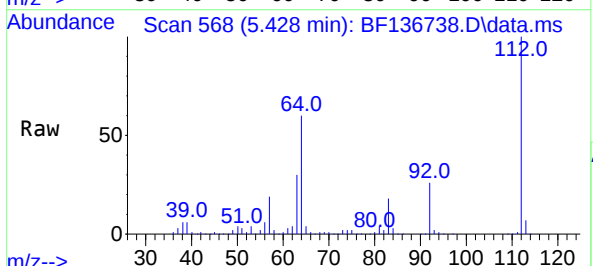
Tgt Ion:152 Resp: 6772
Ion Ratio Lower Upper
152 100
150 159.6 127.0 190.6
115 63.0 49.0 73.4

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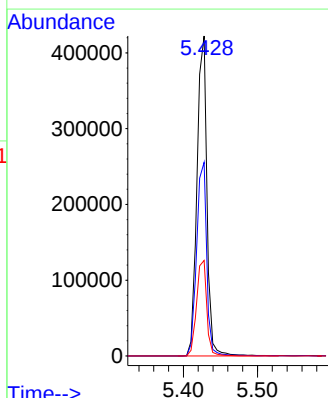
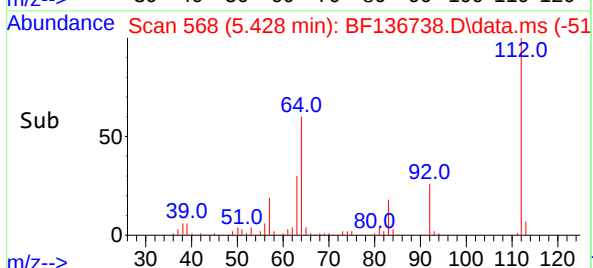
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

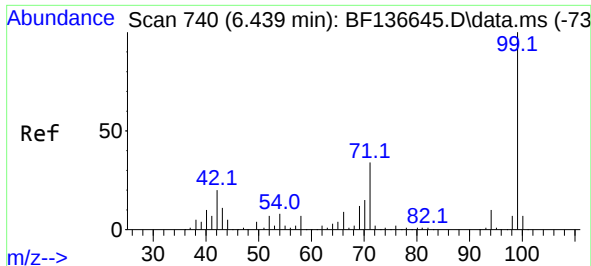


#5
2-Fluorophenol
Concen: 90.603 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11



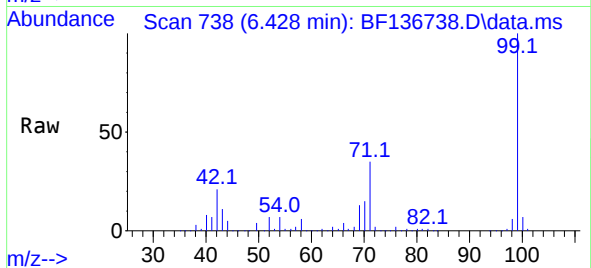
Tgt Ion:112 Resp: 393243
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 29.9 26.1 39.1





#7
Phenol-d6
Concen: 85.993 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

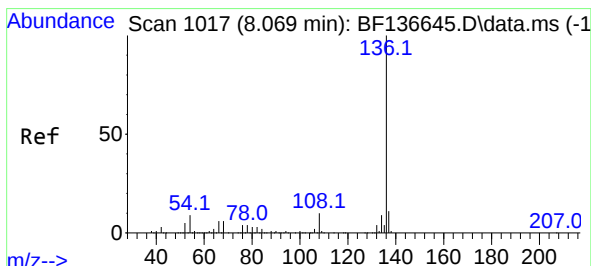
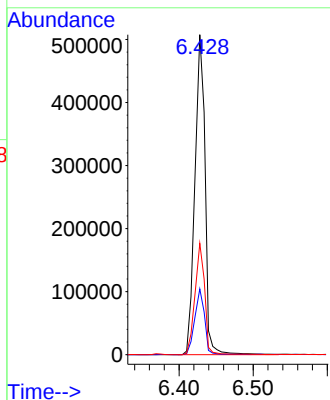
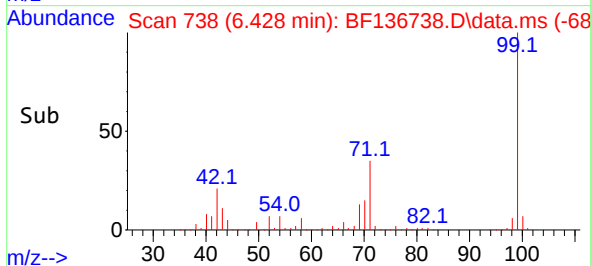
Instrument :
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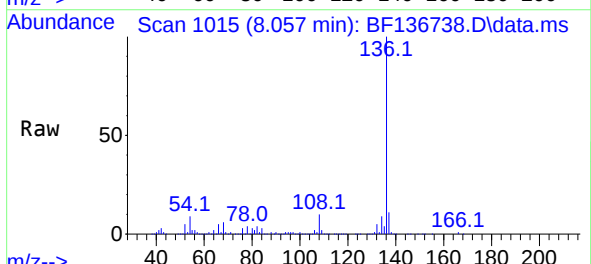
Tgt Ion: 99 Resp: 483620
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 34.8 27.4 41.2

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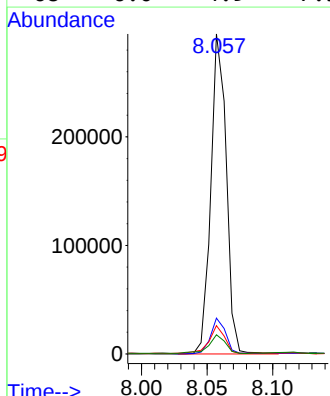
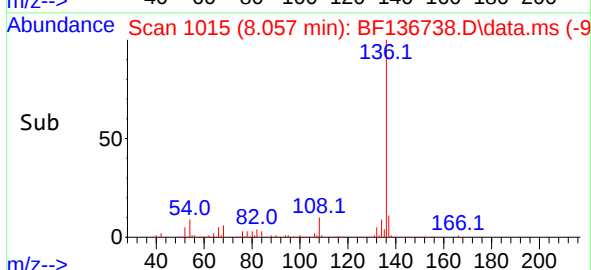
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

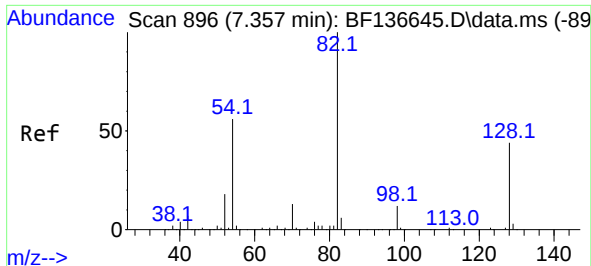


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11



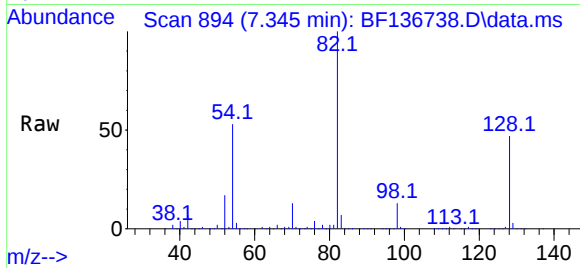
Tgt Ion:136 Resp: 241949
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.9 7.2 10.8
68 6.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 63.201 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

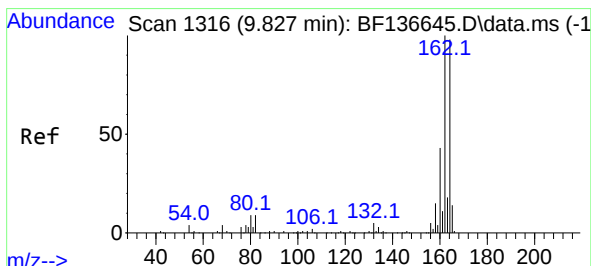
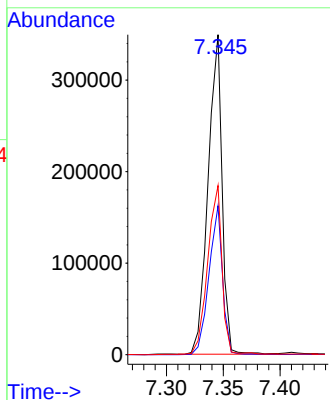
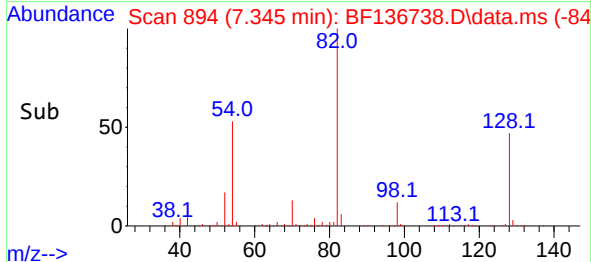
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Tgt Ion: 82 Resp: 298829
Ion Ratio Lower Upper
82 100
128 46.5 35.3 52.9
54 52.9 44.5 66.7

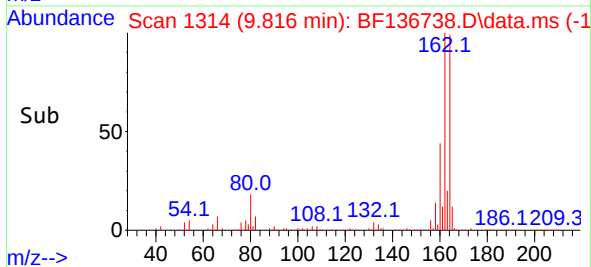
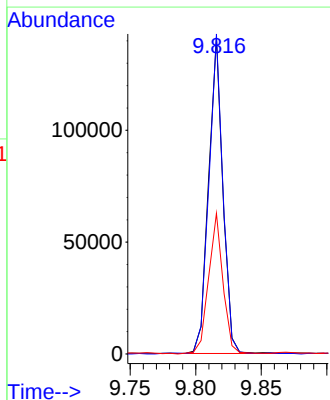
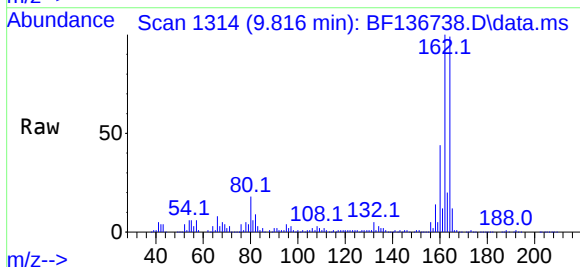
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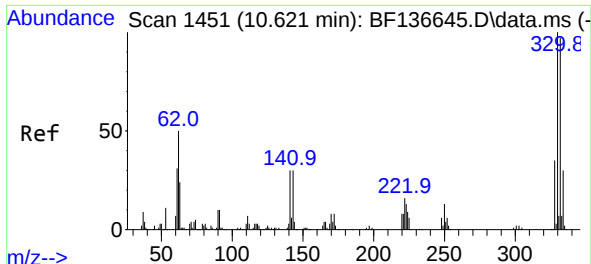
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

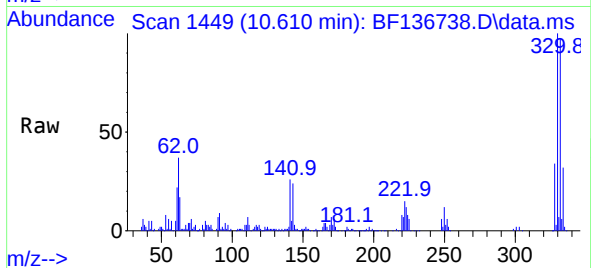
Tgt Ion:164 Resp: 106886
Ion Ratio Lower Upper
164 100
162 101.0 81.6 122.4
160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 71.833 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

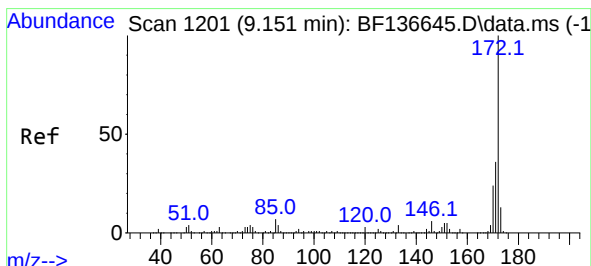
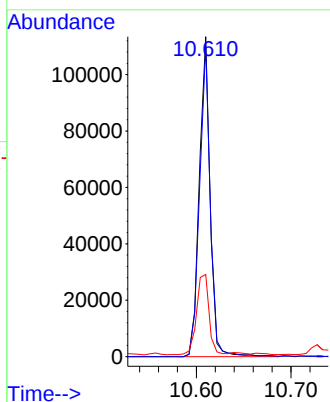
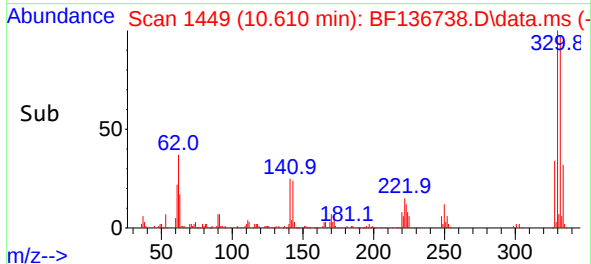
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A



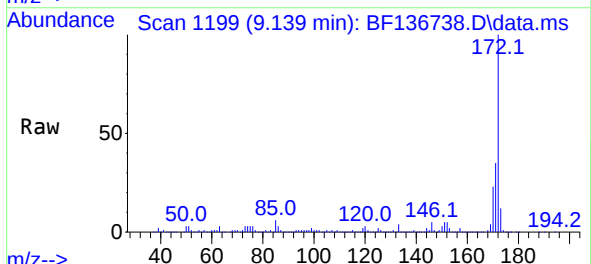
Tgt Ion: 330 Resp: 90425
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 29.0 23.4 35.2

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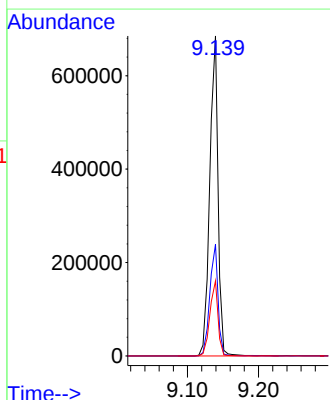
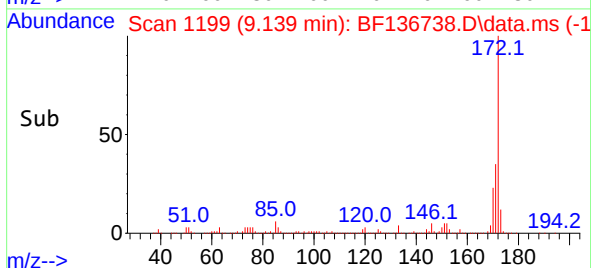
Reviewed By : Yogesh Patel 12/27/2023
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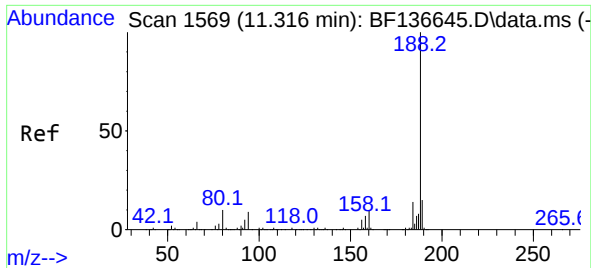


#45
2-Fluorobiphenyl
Concen: 70.276 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11



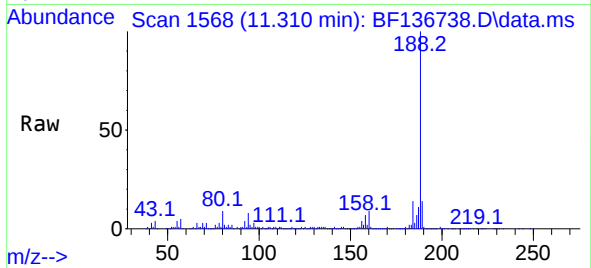
Tgt Ion: 172 Resp: 558484
Ion Ratio Lower Upper
172 100
171 34.8 29.0 43.6
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

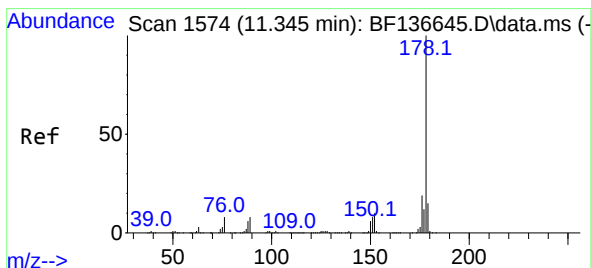
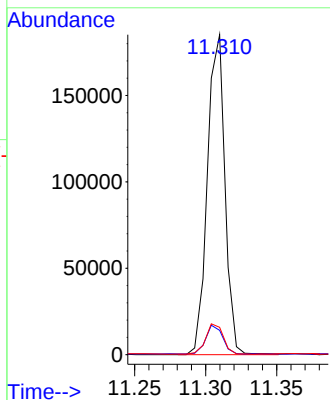
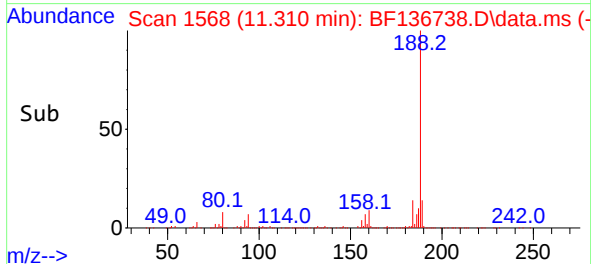
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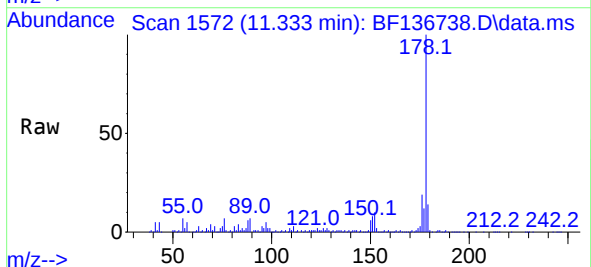
Tgt Ion:188 Resp: 159244
Ion Ratio Lower Upper
188 100
94 7.6 7.5 11.3
80 8.6 8.1 12.1

Manual Integrations
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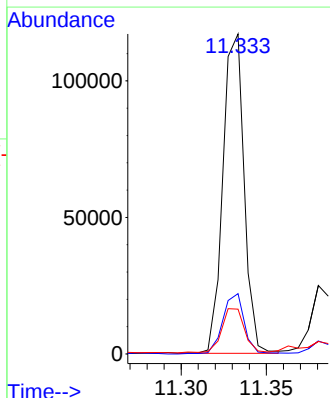
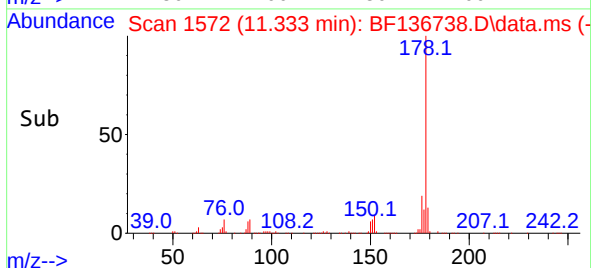
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

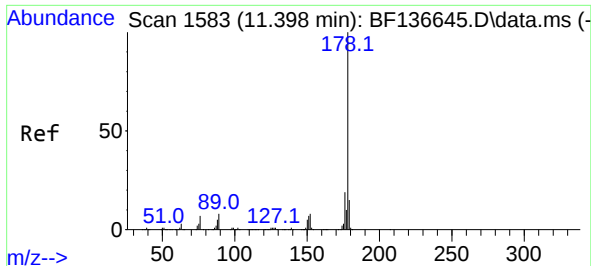


#71
Phenanthrene
Concen: 12.436 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11



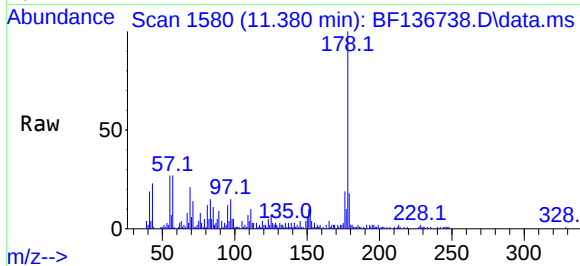
Tgt Ion:178 Resp: 101613
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.0 11.9 17.9





#72
 Anthracene
 Concen: 2.550 ng m
 RT: 11.380 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

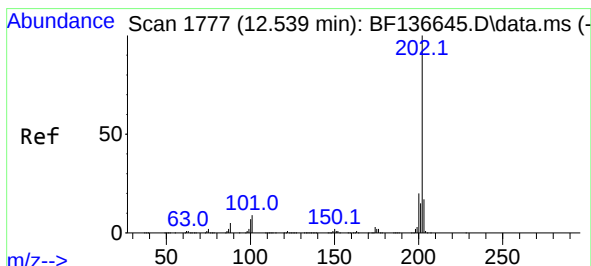
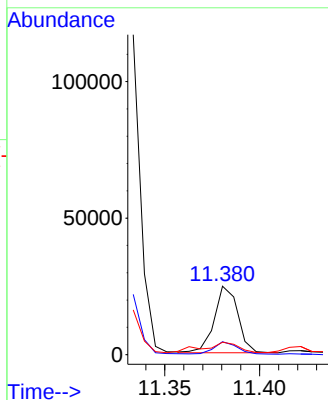
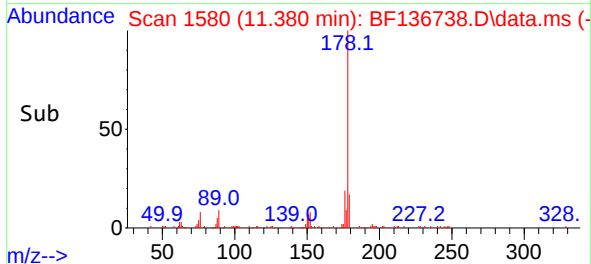
Instrument :
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 JC-03-111523A



Tgt Ion:178 Resp: 21098
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 18.4 11.8 17.6

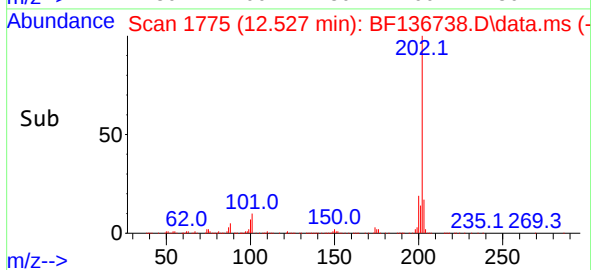
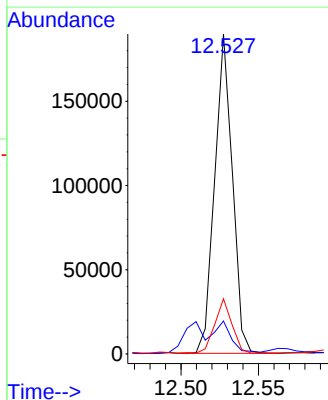
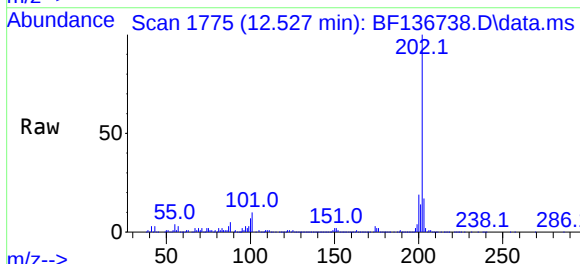
Manual Integrations
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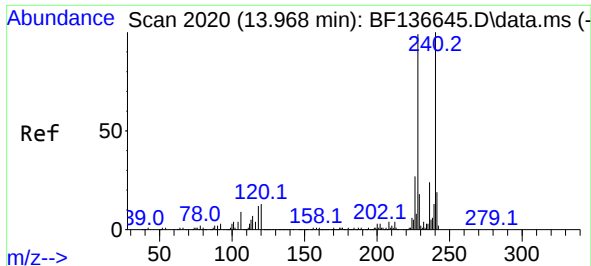
Reviewed By :Yogesh Patel 12/27/2023
 Supervised By :mohammad ahmed 12/27/2023



#75
 Fluoranthene
 Concen: 17.226 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136738.D
 Acq: 27 Dec 2023 01:11

Tgt Ion:202 Resp: 150559
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.3
 203 17.3 0.0 37.1





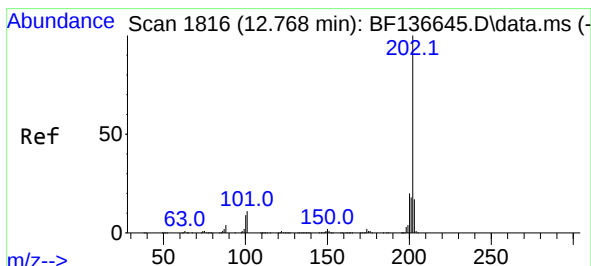
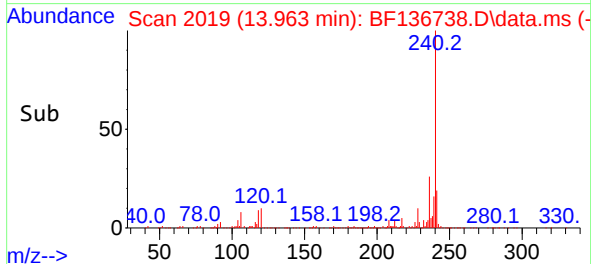
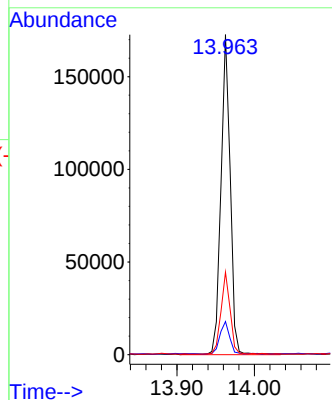
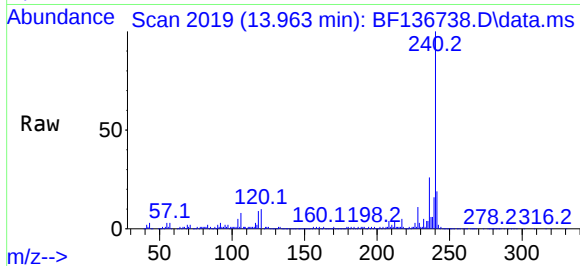
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Instrument :
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JC-03-111523A

Tgt Ion:240 Resp: 143780
Ion Ratio Lower Upper
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120 10.3 10.3 15.5
236 25.8 19.4 29.2

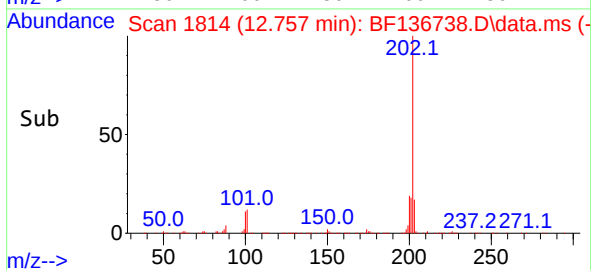
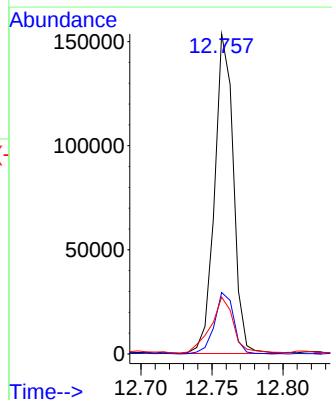
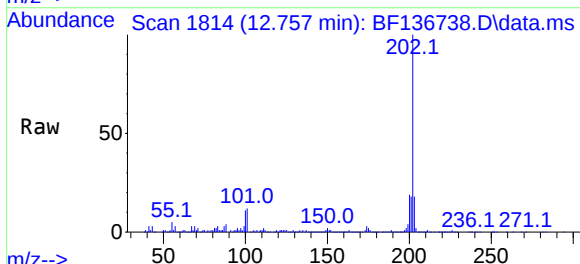
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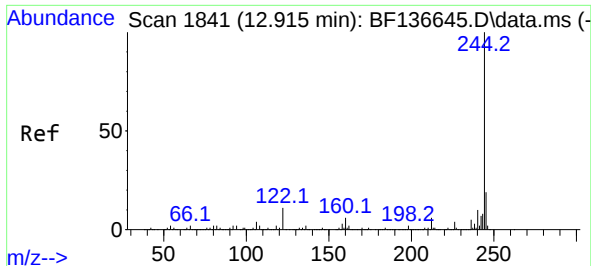
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#78
Pyrene
Concen: 10.021 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:202 Resp: 141447
Ion Ratio Lower Upper
202 100
200 19.2 15.9 23.9
203 17.8 13.8 20.6





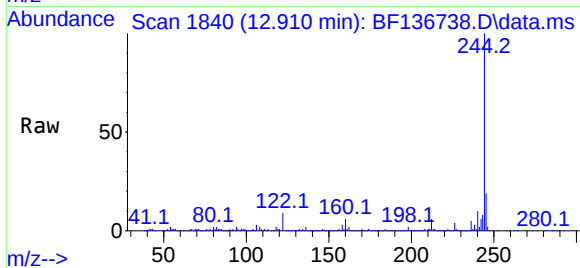
#79
Terphenyl-d14
Concen: 47.459 ng
RT: 12.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

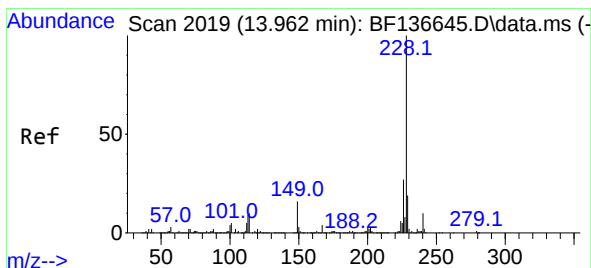
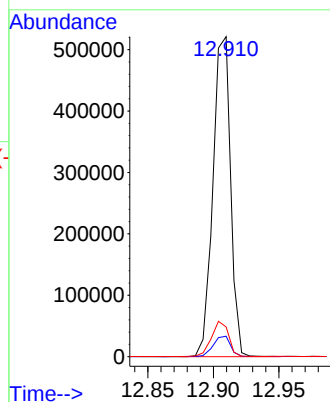
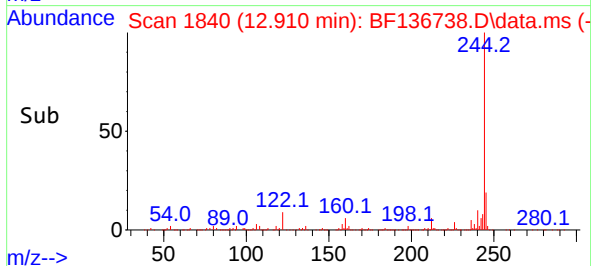


Tgt Ion:244 Resp: 488288
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 9.3 9.0 13.4

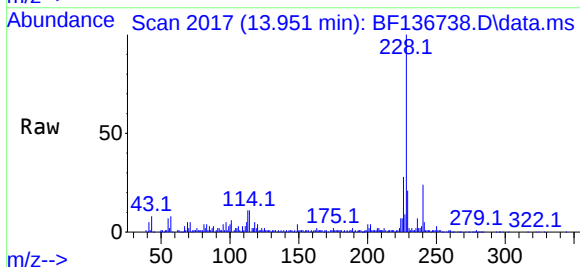
Manual Integrations

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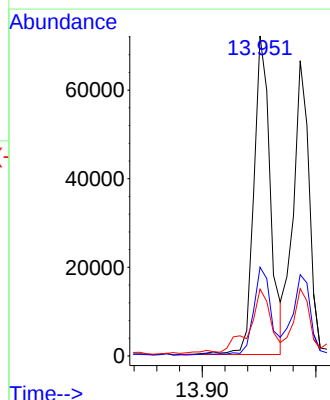
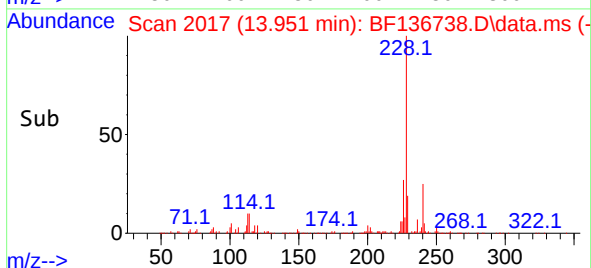
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023

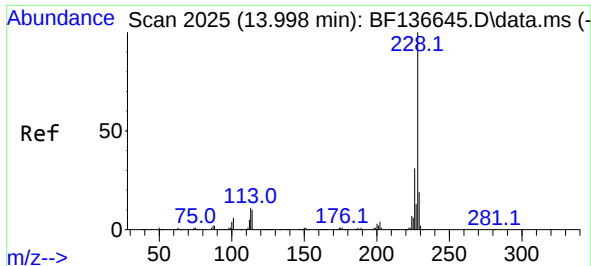


#81
Benzo(a)anthracene
Concen: 7.281 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11



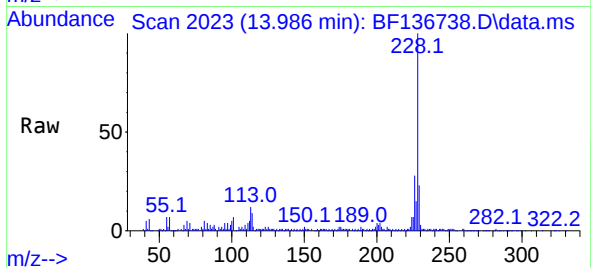
Tgt Ion:228 Resp: 72695
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 20.9 14.9 22.3





#83
Chrysene
Concen: 6.670 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

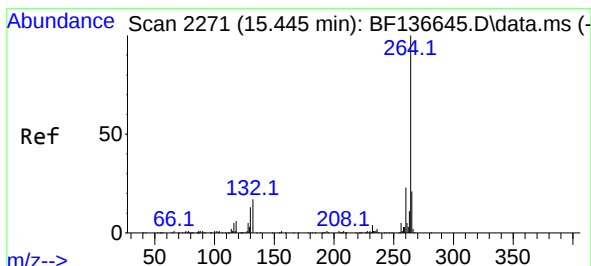
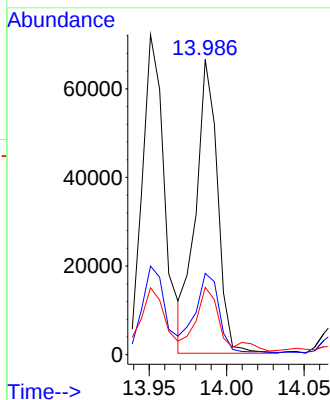
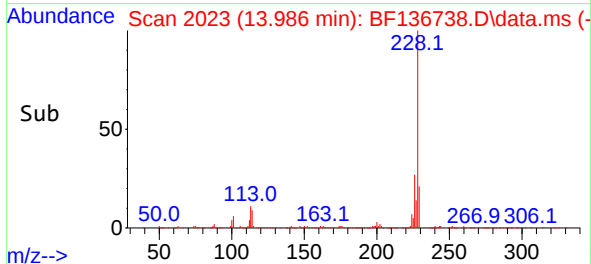
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A



Tgt Ion:228 Resp: 6511
Ion Ratio Lower Upper
228 100
226 27.5 24.7 37.1
229 22.8 15.4 23.0

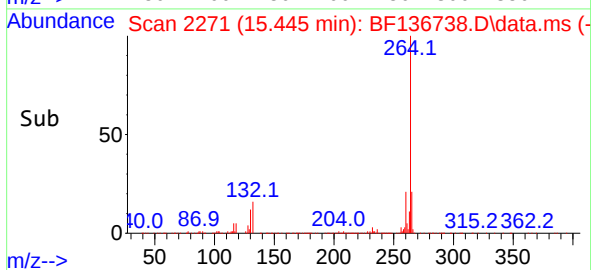
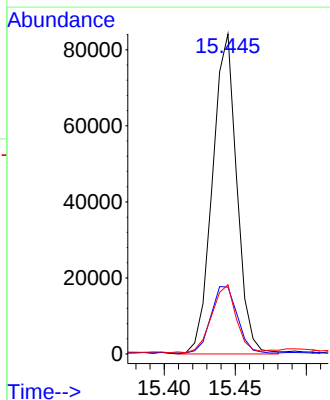
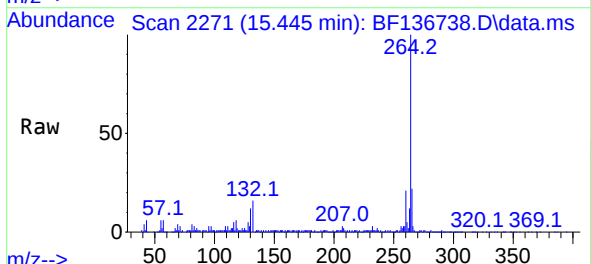
Manual Integrations
APPROVED

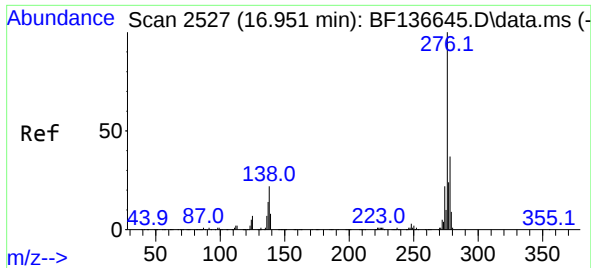
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:264 Resp: 100416
Ion Ratio Lower Upper
264 100
260 20.9 18.3 27.5
265 21.7 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.705 ng
RT: 16.939 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

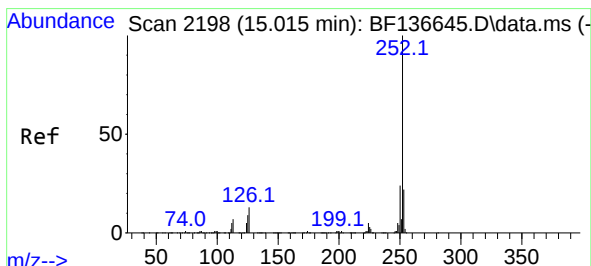
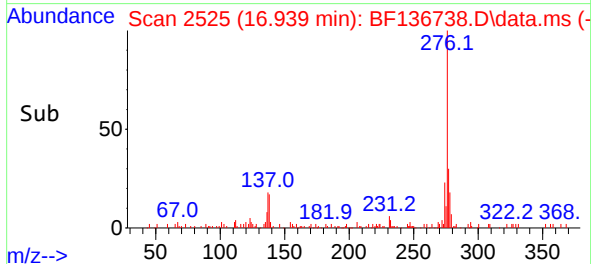
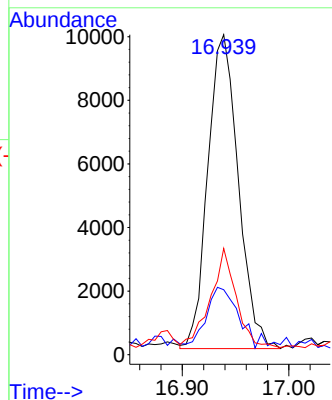
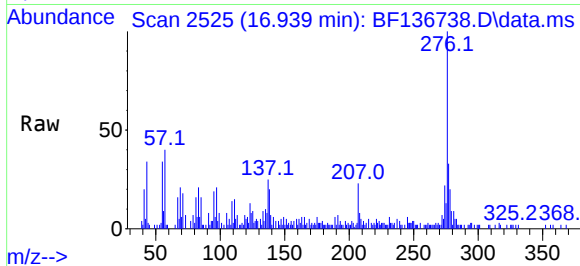
JC-03-111523A

Tgt Ion:276 Resp: 19614
Ion Ratio Lower Upper
276 100
138 18.8 18.7 28.1
277 26.6 20.2 30.2

Manual Integrations

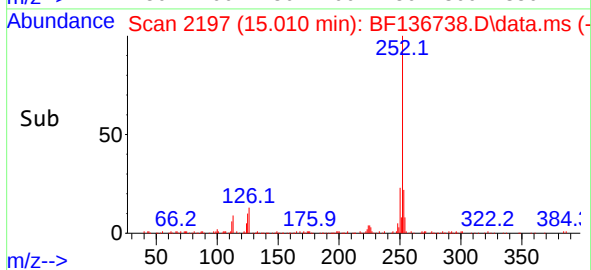
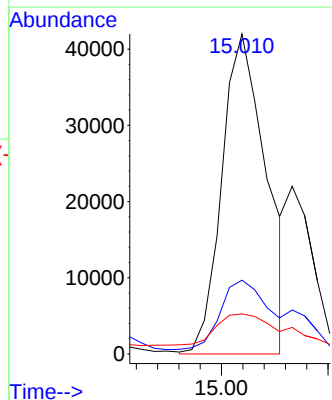
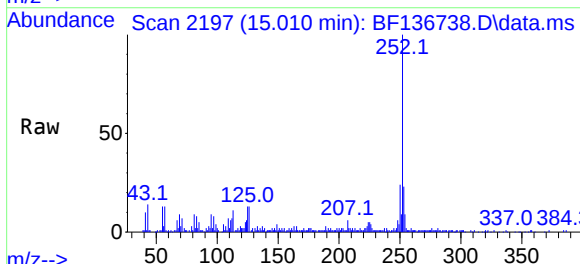
APPROVED

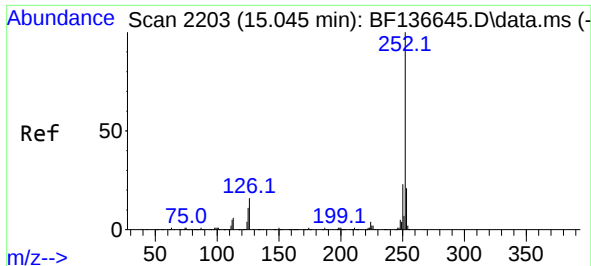
Reviewed By :Yogesh Patel 12/27/2023
Supervised By :mohammad ahmed 12/27/2023



#88
Benzo(b)fluoranthene
Concen: 9.063 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Tgt Ion:252 Resp: 60786
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 12.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.110 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

Tgt Ion:252 Resp: 19708

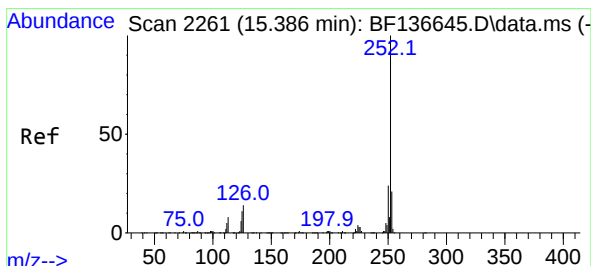
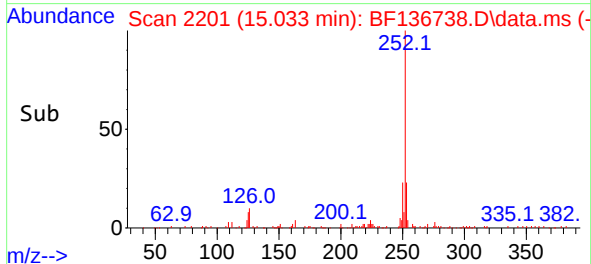
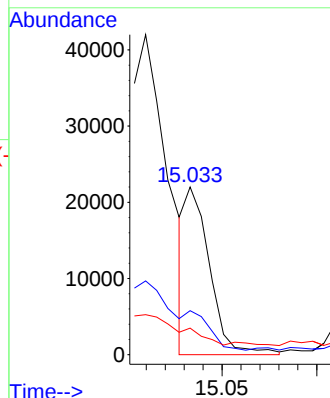
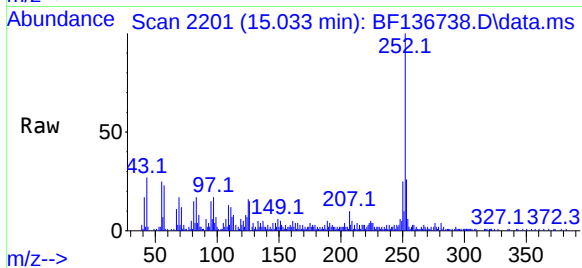
Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6
125	15.8	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2023

Supervised By :mohammad ahmed 12/27/2023



#90

Benzo(a)pyrene

Concen: 6.401 ng

RT: 15.380 min Scan# 2260

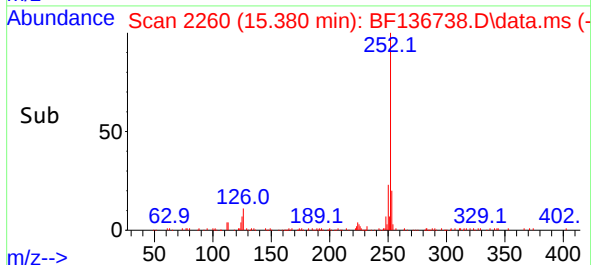
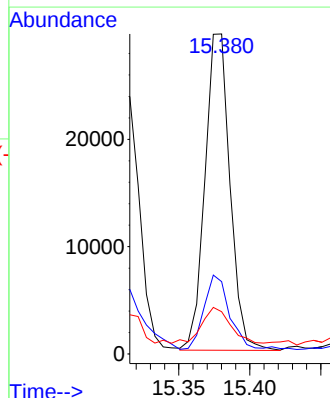
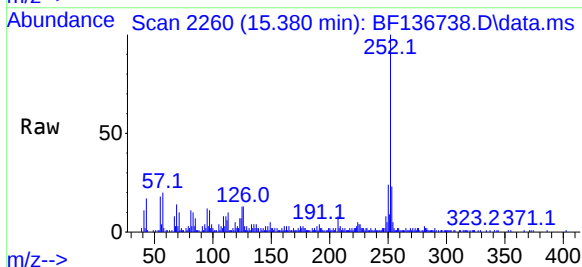
Delta R.T. -0.006 min

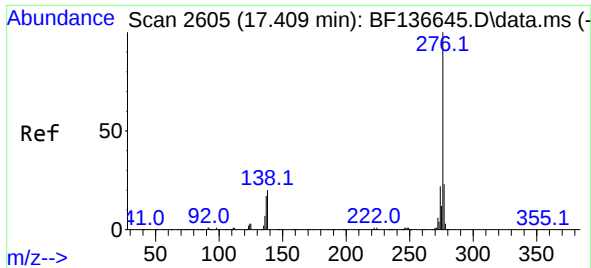
Lab File: BF136738.D

Acq: 27 Dec 2023 01:11

Tgt Ion:252 Resp: 36239

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.2	8.8	13.2





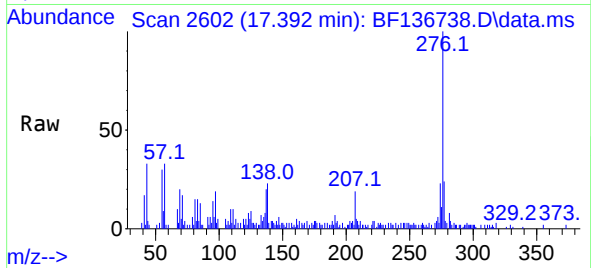
#92
Benzo(g,h,i)perylene
Concen: 3.442 ng
RT: 17.392 min Scan# 2096
Delta R.T. -0.017 min
Lab File: BF136738.D
Acq: 27 Dec 2023 01:11

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A



Tgt Ion:276 Resp: 2096
Ion Ratio Lower Upper
276 100
277 23.7 18.3 27.5
138 22.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/27/2023

Supervised By :mohammad ahmed 12/27/2023

